## In the Claims:

8

10

11

12

13

14

15

1. (currently amended) A method of resin-encapsulating an
2 electronic component mounted on a main surface of a board,
3 using a mold pair having an upper mold and a lower mold,
4 comprising the steps of:

attaching said board on said upper mold;

generating melted resin in a cavity provided in said lower; mold lower mold solely by melting a solid resin material in said cavity;

immersing said electronic component in said melted resin in said cavity by closing said mold pair; and

forming a resin molded product including said electronic component encapsulated in a set resin by setting said melted resin in said cavity to produce said set resin only from said melted resin that was generated from said solid resin material in said cavity.

- 2. (previously presented) The method of resin encapsulation according to claim 1, further comprising, before said step of generating melted resin, another step of placing said solid resin material in said cavity.
- (original) The method of resin encapsulation according to
   claim 1, wherein
- an electrode of said board and an electrode of said
  electronic component are connected by a conductive material
  forming a loop in a prescribed plane; and

4597/WFF:hc

in said step of immersing said electronic component in
said melted resin, said prescribed plane moves
substantially vertically to a main surface of said melted
resin.

- 4. (original) A method of manufacturing a semiconductor device, using the method of resin encapsulation according to claim 1.
- 1 5. (currently amended) A method of resin-encapsulating an
  2 electronic component mounted on a main surface of a board,
  3 using a mold pair having an upper mold and a lower mold and
  4 a solid resin material for resin encapsulation, comprising
  5 the steps of:

placing said board on said lower mold;

placing said <u>solid</u> resin material on a main surface of said board such that said <u>solid</u> resin material is not in contact with a conductive material connecting an electrode of said board with an electrode of said electronic component;

closing said mold [[pair;]] pair to form a mold cavity between said upper and lower molds;

generating melted resin on the main surface of said board and enclosing said electronic component in said melted resin only by heating and melting only said solid resin material; material in said mold cavity; and

7

10

11

12

13

14

15

16

17

18	forming a resin mold product by setting only said
19	melted [[resin.]] resin that was generated from said solid
20	resin material in said mold cavity.

- 6. (currently amended) The method of resin encapsulation according to claim 5, wherein
- said solid resin material has such a size and a shape
  that correspond to a size and a shape of said cavity; and
  said melted resin is generated by heat transmitted
  from said upper mold to said solid resin material.
- 7. (currently amended) The method of resin encapsulation according to claim 5, wherein
- said solid resin material is formed such that a space formed by said board and said solid resin material encloses said electronic component, when said solid resin material is placed on the main surface of said board; and
  - said space is set to have such a size that said <u>solid</u> resin material is not in contact with the conductive material connecting the electrode of said board with the electrode of said electronic component.
- 1 8. (original) A method of manufacturing a semiconductor device, using the method of resin encapsulation according to claim 5.

10

- 1 9. (currently amended) A solid resin material consisting of a solid resin material adapted, sized and shaped to be placed 2 in a mold cavity provided in a mold pair, and adapted to be 3 used as a raw material for being melted in said cavity to produce thereof a melted resin in a resin-encapsulating an electronic component mounted on a 7 main surface of a board in said cavity by encapsulating 8 said electronic component in only said melted resin and setting only said melted resin in said cavity, wherein said solid resin material has such a size and a shape that 10 correspond to a size and a shape of said cavity. cavity, 11 and a volume of said melted resin produced only from said 12 13 solid resin material in said cavity entirely fills a remaining space around said board and said electronic 14 component in said cavity and only said melted resin 15 encapsulates said electronic component. 16
- 10. (currently amended) The solid resin material according to claim 9, adapted, sized and shaped such that a space formed [[by]] between said board and said solid resin material encloses said electronic component, when said solid resin material is placed on the main surface of said board; wherein said space is set to have such a size that said solid resin material is not in contact with a conductive material connecting an electrode of said board with an electrode of said electronic component.

4597/WFF:hc

- 1 11. (currently amended) The <u>solid</u> resin material according to claim 9, wherein a notch is formed in said <u>solid</u> resin material.
- 1 12. (currently amended) The <u>solid</u> resin material according to claim 9, being a solid plate consisting of said solid resin material and having a stepped sectional shape with stepped side walls.
- 1 13. (previously presented) The method of resin encapsulation
  2 according to claim 1, wherein said step of placing said
  3 solid resin material in said cavity comprises transporting
  4 and depositing said solid resin material into said cavity
  5 using a vacuum-holding conveyor.

[RESPONSE CONTINUES ON NEXT PAGE]